

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

LISTING OF THE CLAIMS:

Claim 1 (Currently Amended): A digital camera ~~that produces a display image signal for display on a display and a recording image signal for record to a recording medium on the basis of a camera signal outputted from an image sensor in response to a picture-taking instruction;~~ comprising:

a first writer for writing ~~the camera signal~~ to a first area of a memory a raw image of an objective scene captured in response to a capturing instruction;

a reader for reading the ~~camera signal from~~ raw image stored in said first area;

a first producer for producing ~~the recording an image signal for recording~~ based on the ~~camera signal~~ raw image read out by said reader;

a second producer for producing ~~the display an image signal for display~~ based on the ~~recording image signal for recording~~ produced by said first producer;

a second writer for writing ~~the display image signal~~ to a second area of said memory the image for display produced by said second producer; and

a third writer for writing ~~the recording image signal~~ to a third area of said memory the image for recording produced by said first producer; wherein an access speed to said memory is three times greater or more than a processing speed ~~by~~ of each of said first producer and said second producer, and the image for recording produced by said first producer is applied to said second producer without passing through said memory.

Claim 2 (Original): A digital camera according to claim 1, further comprising a buffer memory to be accessed at a first clock rate and a second clock rate of three times greater or more than the first clock rate, wherein a difference between the access speed to said memory and the processing speed of said first and second producers is absorbed by said buffer memory.

Claim 3 (Currently Amended): A digital camera according to claim 1, wherein said second producer makes a resolution-reducing process on the ~~recording image signal~~ for recording so as to thereby produce the display image signal for display.

Claim 4 (Currently Amended): A digital camera according to claim 1, wherein said memory has a single data input/output port, and each of said first writer, said reader, said second writer and said third writer accesses said memory through said data input/output port.

Claim 5 (Currently Amended): A digital camera according to claim 1, wherein the ~~camera signal~~ raw image is a raw ~~an image signal~~ that each pixel has any one color component, and each of the display image signal for display and the recording image signal for recording being both is an image corresponding to a YUV ~~type signal~~ format.

Claim 6 (Currently Amended): A digital camera according to claim 1, further comprising: an outputter for outputting the ~~display image signal~~ for display to ~~said a display monitor~~ by reading same from said second area, and a recorder for recording the ~~recording image signal for recording~~ to said a recording medium by reading same from said third area.

Claim 7 (Currently Amended): A digital camera ~~that produces a display image signal for display on a display and main and size-reduced image signals for recording to a recording medium, on the basis of a camera signal outputted from an image sensor in response to a picture taking instruction,~~ comprising:

a first producer for producing ~~the~~ a main image signal for recording on the basis of the camera signal a raw image of an objective scene captured in response to a capturing instruction;

a second producer for producing ~~the display an~~ image signal for display by making a ~~resolution-reducing first~~ process on the main image signal for recording produced by said first producer; and

a third producer for producing ~~the~~ a size-reduced image signal for recording by making a ~~resolution-reducing second~~ process on the display image signal for display produced by said second producer, wherein each of the main image for recording, the image for display and the size-reduced image for recording is an image corresponding to a YUV format, a resolution of the main image for recording is higher than the resolution of the image for display, the resolution of the image for display is higher than the resolution of the size-reduced image for recording, and each of the first process and the second process includes a resolution-reducing process.

Claim 8 (Canceled).

Claim 9 (Currently Amended): A digital camera according to claim 7, wherein the ~~camera signal raw image is a raw an~~ image signal that each pixel has any one color component, and the main image signal, the display image signal and the size-reduced image signal being YUV-type signals.

Claim 10 (Currently Amended): A digital camera according to claim 7, further comprising: a first writer for writing the main image ~~signal~~ for recording produced by said first producer to ~~said~~ a first memory area; a second writer for writing the ~~display~~ image ~~signal~~ for display produced by said second producer to a second memory[,] area; a reader for reading the ~~display image signal from~~ for display stored in said second memory area ~~and supplying so as to supply~~ same to said third producer[,]; and a third writer for writing the size-reduced image ~~signal~~ for recording produced by said third producer to a third memory area.

Claim 11 (Currently Amended): A digital camera according to claim 10, further comprising: an outputter for outputting the ~~display~~ image ~~signal~~ for display stored in said second memory area to ~~said~~ a display[,] monitor; and a recorder for recording the main image ~~signal~~ for recording stored in said first memory area and the size-reduced image ~~signal~~ for recording stored in said third memory area to ~~said~~ a recording medium.